

CLAIMS

1. A sprayable hotmelt adhesive with a viscosity of 500 to 4,000 mPas at 150°C, characterized by the following composition:

- 5 A) 30 to 70% by weight of at least one poly- α -olefin with a softening point (ring-and-ball method) of 70 to 130°C, a melt viscosity at 190°C of 1,000 to 20,000 mPas, a density of $<0.90 \text{ g/cm}^3$, a needle penetration of 8 to 40 0.1 nm, a molecular weight of at most 100,000 (weight average) or at least 4,000 (number average), the difference between the weight average and the number average being no more than six times the number average,
- 10 B) 5 to 30% by weight of at least one oil,
- C) 20 to 60% by weight of at least one hydrocarbon resin with a softening range of 70 to 140°C and, and
- 15 D) optionally additives.
2. A hotmelt adhesive as claimed in claim 1, characterized by a viscosity of 700 to 1,900 mPas at 150°C, as measured in accordance with ASTM D 3236-88.
3. A hotmelt adhesive as claimed in claim 1, characterized in that it is
- 20 substantially amorphous and has the following monomer composition:
- 3 to 75% by weight of an α -olefin containing 4 to 10 carbon atoms,
 - 25 to 95% by weight of propene and
 - 0 to 20% by weight of ethene.
4. A hotmelt adhesive as claimed in claim 1, characterized in that the
- 25 paraffinic oil is a medicinal white oil.
5. A hotmelt adhesive as claimed in claim 1, characterized in that the hydrocarbon resin is a hydrocarbon resin containing 5 to 9 carbon atoms.
6. A hotmelt adhesive as claimed in claim 1, characterized in that the

T04280" 84248401

additive is at least one substance of the following group: heat and light stabilizer, optical brightener, antistatic agent, lubricant and antiblocking agent, nucleating agent, dye, pigment or flame retardant.

7. A hotmelt adhesive as claimed in claim 1, characterized in that
5 components B and C together make up at least 30% by weight, preferably at least 35% by weight and more preferably at least 45% by weight of the sum of components A+B+C.

8. A process for the production of the hotmelt adhesive claimed in at least one of claims 1 to 7, characterized in that the raw materials are mixed
10 in an inert gas atmosphere and/or in a vacuum at temperatures of 150 to 200°C.

9. The use of the hotmelt adhesive claimed in at least one of claims 1 to 7 for structural bonding in sanitary products, more especially for bonding diapers, panty liners and sanitary napkins.

10. The use of the hotmelt adhesive claimed in at least one of claims 1 to 7 for bonding films, more particularly of polyolefins, and nonwovens, more particularly of polypropylene, the application temperature being between 120 and 180°C and preferably between 140 and 160°C, the coating weight being between 2 and 10 and preferably between 3 and 4
15 20 g/m² and the application rate preferably being between 50 and 400 m/min.